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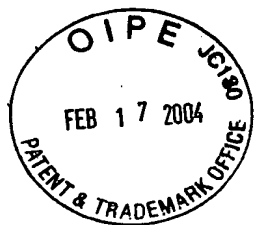
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FIG. 1

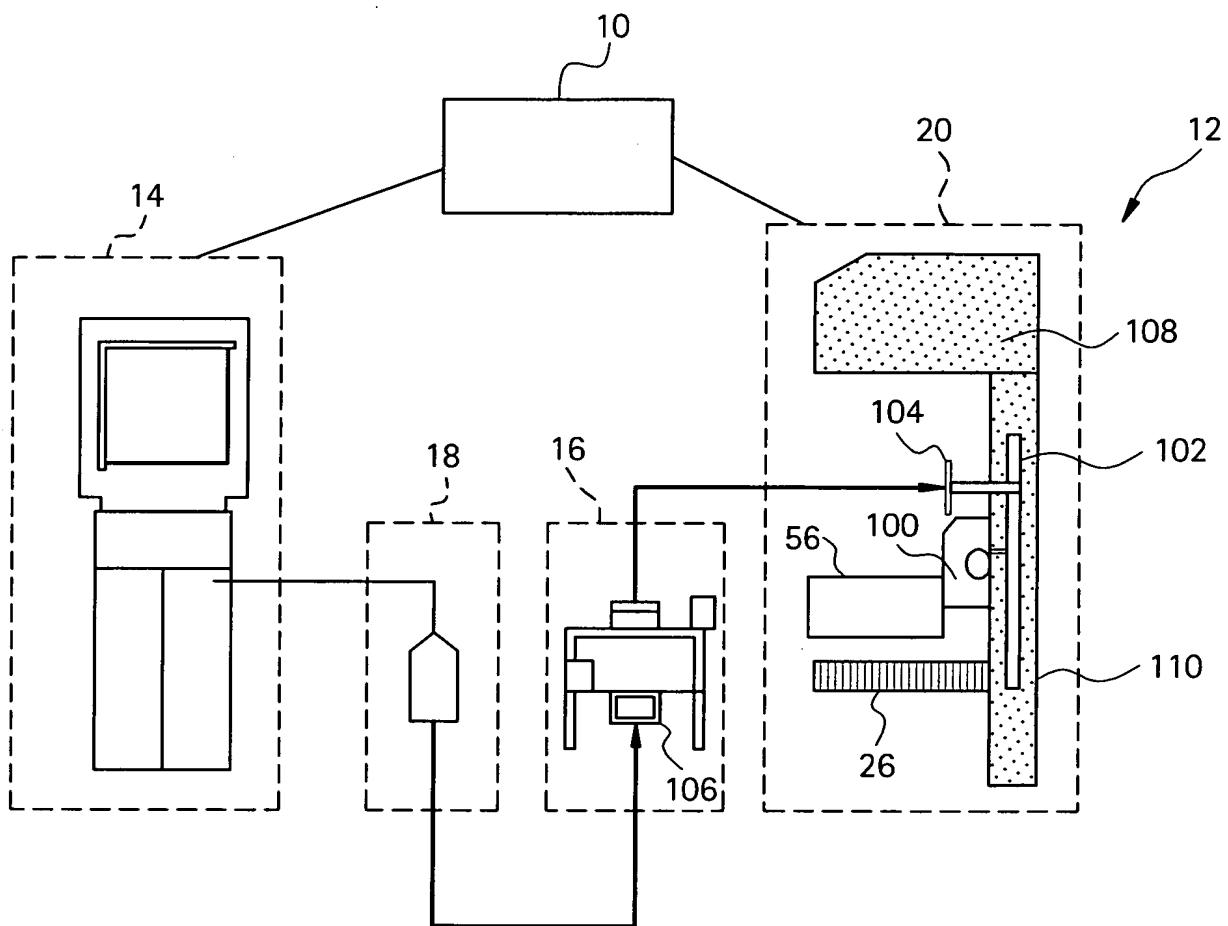


FIG. 2

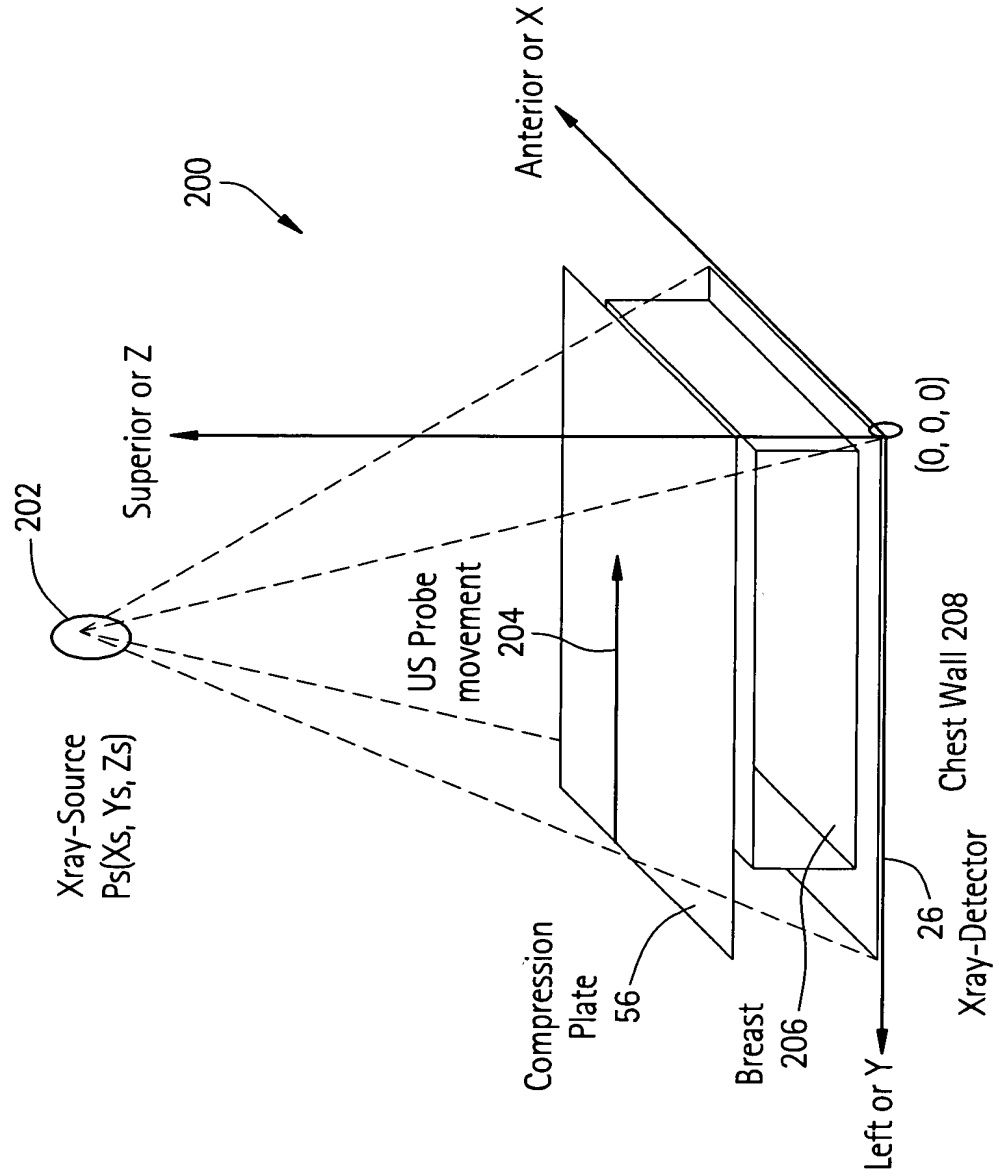
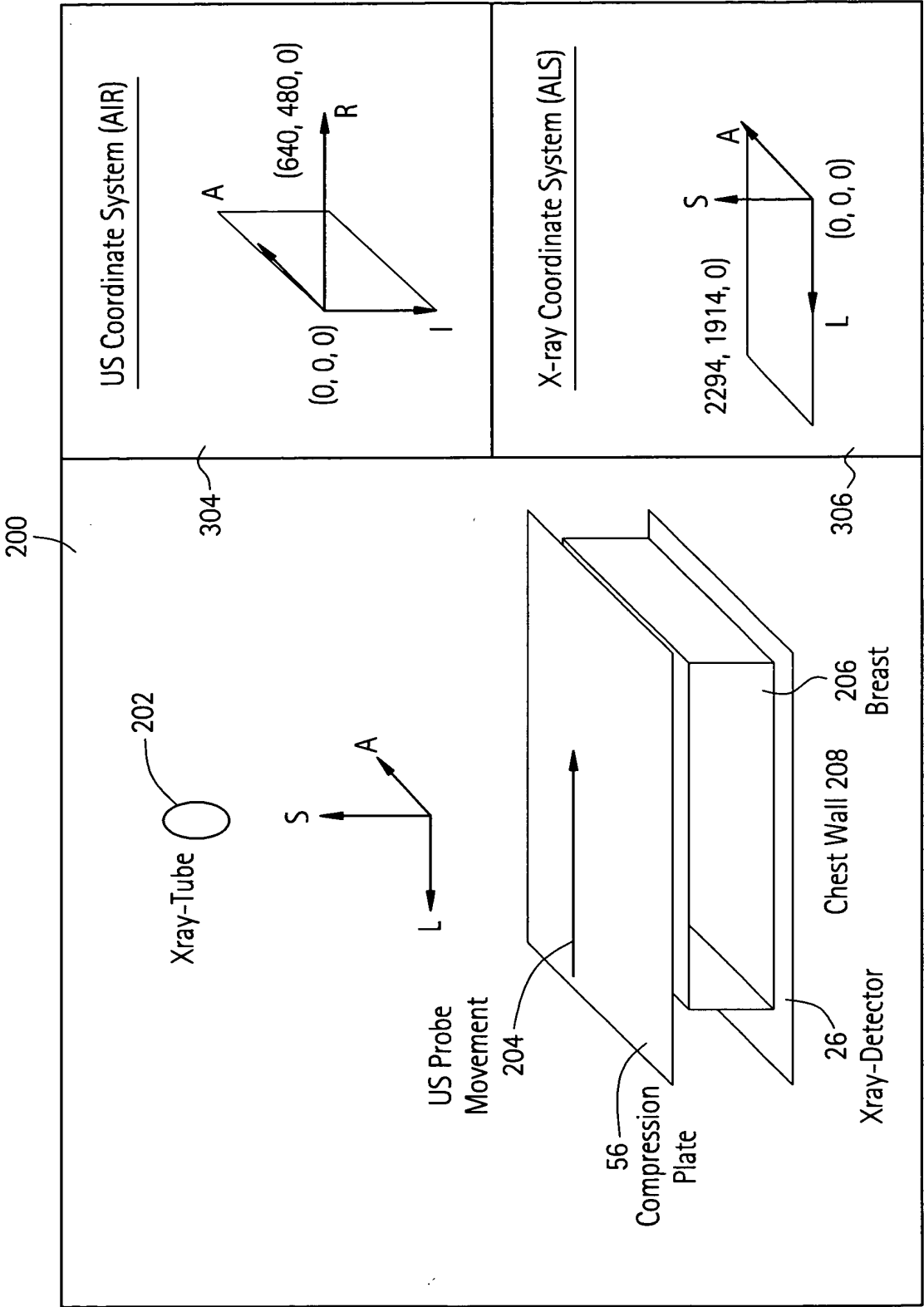
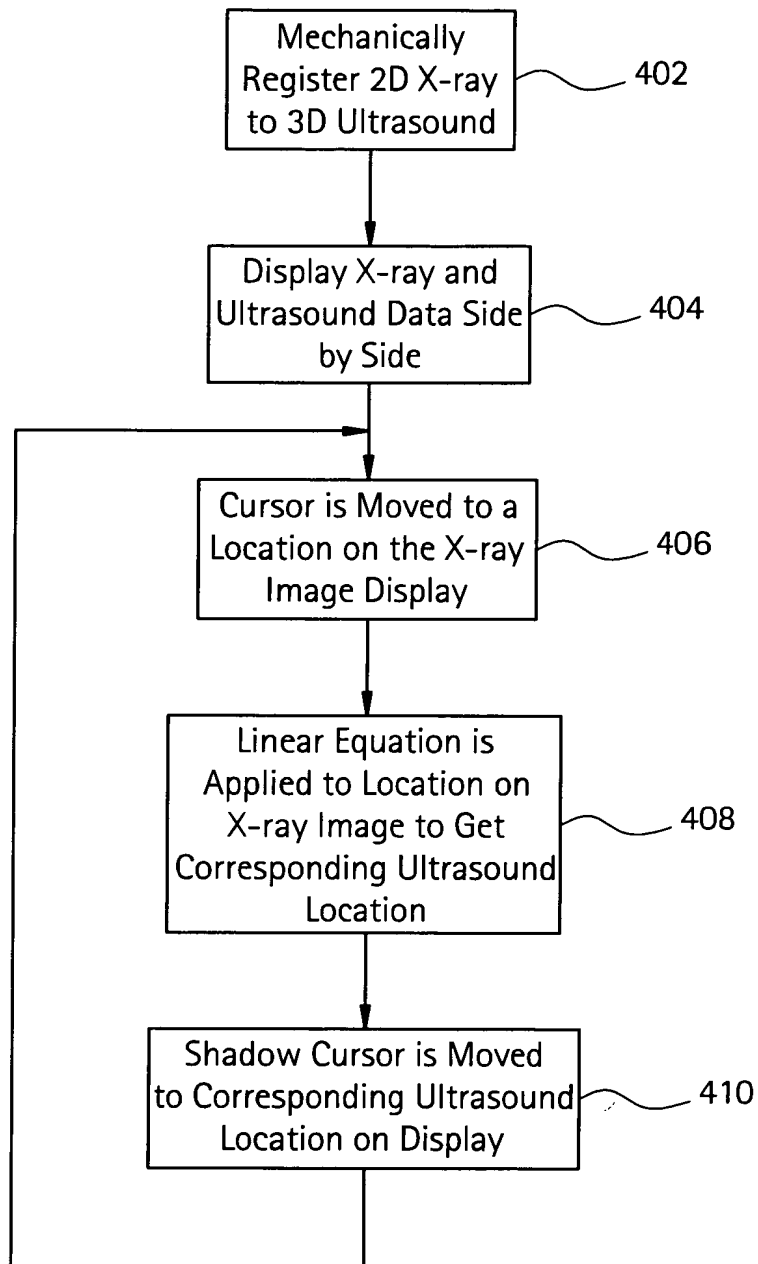


FIG. 3



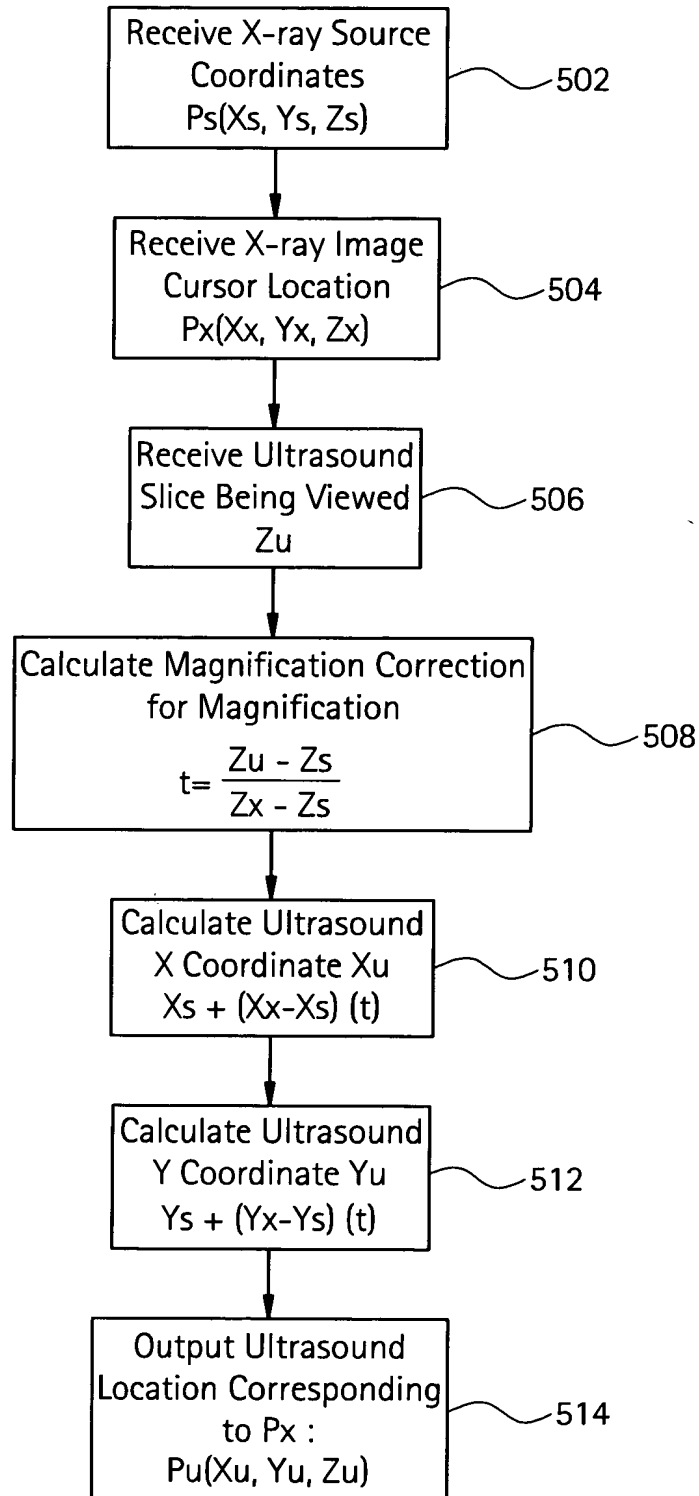
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FIG. 4



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FIG. 5



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FIG. 6

$$r(t) = P_s + t(P_x - P_s) \quad \text{where } 0 \leq t \leq 1$$

$$r(t) = (X_s + (X_x - X_s)t)\bar{i} + (Y_s + (Y_x - Y_s)t)\bar{j} + (Z_s + (Z_x - Z_s)t)\bar{k}$$

Substituting  $Z_u$  from  $P_u$  into equation above

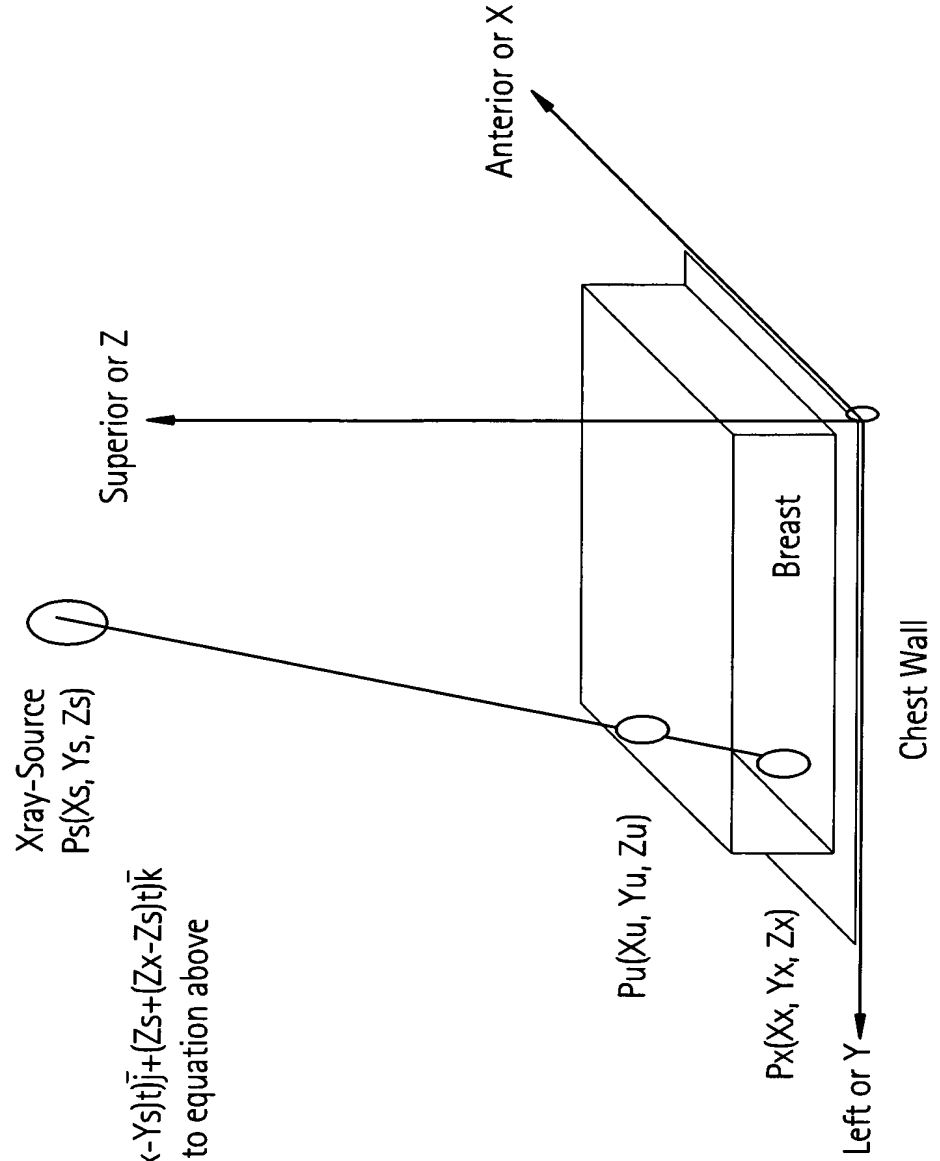
$$Z_s + (Z_x - Z_s)t = Z_u$$

$$t = \frac{Z_u - Z_s}{Z_x - Z_s}$$

Therefore ....

$$X_u' = X_s + (X_x - X_s) \frac{Z_u - Z_s}{Z_x - Z_s}$$

$$Y_u' = Y_s + (Y_x - Y_s) \frac{Z_u - Z_s}{Z_x - Z_s}$$



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FIG. 7

